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REMARKS/ARGUMENTS

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Claims 1, 4, 9-19, 23, 26, 28, 50, 53, 56-65, 68, 69, 75-78, 80, 82-84, 87 and 92-101 are currently pending in the application. Based on the following remarks, Applicant respectfully requests reconsideration of the application and allowance of the claims.

I.   **Rejection of Claims Under 35 U.S.C. § 103(a)**

Claims 1, 4, 9-19, 23, 26, 28, 50, 53, 56-65, 68-69, 75-78, 80, 82-84, 87 and 92-101 stand rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over U.S. Published Patent Application No. 2003/0069874 to Hertzog et al. (hereinafter; "Hertzog") in view of U.S. Published Patent Application No. 2004/0093317 to Swan (*"Swan"*).

Claim 1 requires "[a] method performed with a computing device, the method comprising the steps of: mapping one or more fields of contact data from personal information manager (PIM) software to one or more corresponding fields of a web page of a web application to produce mapping data; entering one or more alphanumeric characters into a field of a web page of the application; searching the contact data using interface software for more than one set of contact data matching the entered alphanumeric characters using the mapping data; *displaying more than one set of contact data that match the entered alphanumeric characters*; *selecting one* of the *displayed sets of contact data* to be *mapped to the fields of the web page*; mapping data from one or more fields of the selected set of contact data to the one or more corresponding fields of the web page of the web application *to automatically populate the web page by using the mapping data*; and transmitting the web page containing the mapped data as output data to a web server executing the web application via a communication network."

Applicant submits that the combination of Hertzog and Swan do not teach or suggest all of the above features of claim 1. In contrast to claim 1, Hertzog, at best, discloses a system in which a database of personal contact information is accessible by a Personal Information Management (PIM) application, or contact management application which may be stored for a user of the PIM. The personal information concerning the user may then be published to multiple PIMs to update records concerning the user maintained by these multiple PIMs. (Paragraph [0002] & Abstract of Hertzog) In asserting that Hertzog *discloses "displaying more*

than one set of contact data that match the entered alphanumeric characters" and "selecting one of the displayed sets of contact data to be mapped to the fields of the web page," as required by claim 1, the Examiner relies on "pg. 10, paragraphs [0110] and [0111]" as well as paragraph [0113] of Hertzog. (See pg. 2 of the Office Action) In contrast to the Examiner's assertion, the cited portion and indeed all of Hertzog, alone or in combination with Swan, at best, discloses that a "power find" panel 134 of a main window 130 may be utilized by a user to conduct a search of contact information contained within a local database 130 and a browser panel 136 displays personal information pertaining to contacts in the form of "contact cards" 138. (Paragraph [0110] of Hertzog) Hertzog also explains that a user may input text into the text window provided in the "power find" panel 134 and the user is able to search the local database 30. In this regard, Hertzog, alone or in combination with Swan, at best, discloses that a GUI 24 communicates an inputted search string in a client services module 26 that then returns search results to the GUI 24 and describes that "[t]he search results are displayed within the browser panel 136, and are refreshed every 0.5 seconds after each character input into the text window in the 'power find' panel 134."

Hertzog, alone or in combination with Swan, also explains that "[i]n this way, the number of contacts located by the search is dynamically varied as the user inputs further characters in the search window" and as an example Hertzog describes that "after entering the leading letter "c", all contacts having a last name beginning with "c" will be displayed within the browser panel 136" and after "entering a ... "o" letter, only the contacts having a last name beginning with the letters "co" will be displayed following the 0.5 second dynamic refresh." (Paragraph [0111] of Hertzog) Paragraph [0113] of Hertzog which relates to "the screen shot shown in FIG. 8," at best, explains that the browser panel 136 displays a virtual card for each contact of selected category or as located by a specific search query entered into the "power find" panel 134 and that a user may categorize various contacts for display purposes such as designating a certain contact as being a private contact or a business contact. Paragraph [0113] of Hertzog also, at best, explains that a tab such as tab 144 (e.g., "contacts in category 'ALL'") is created for each user-defined category so that "a user may conveniently view contact information for each respective category by performing a selection operation."

Nowhere in Hertzog, alone or in combination with Swan, is there any mention, teaching or suggestion relating to selecting one of the contacts such as for example the contact information of contact card 138 for "Dan, Ido" among the contact cards shown in the browser panel 136 to be mapped to any fields of a web page, as required by claim 1. (See FIG. 8 of Hertzog) Instead, Hertzog, at best, discloses that selection of a contact card such as contact card 138 merely displays "all of the relevant contact's personal information fields." (Paragraph [0013] of Hertzog) Additionally, there certainly is no mention, teaching or suggestion relating to mapping data from one or more fields of a selected contact card such contact card 138 to one or more corresponding fields of a web page application to automatically populate the web page by using the mapping data, as required by claim 1. Rather, as can be seen in FIG. 8 of Hertzog and as noted above, selection of a contact card such as contact card 138, for example, at best shows all the relevant contact's personal information and a photograph associated with the contact. (Paragraph [0114] of Hertzog) As such, Hertzog, alone or in combination with Swan, does not teach or suggest "selecting one of the displayed sets of contact data to be mapped to the fields of the web page."

Additionally, Hertzog, alone or in combination with Swan, does not teach or suggest "transmitting the web page containing the mapped data as output data to a web server executing the web application via a communication network," as required by claim 1. In asserting that Hertzog discloses this feature, the Examiner appears to rely on GUI 24 as the claimed web server and asserts that since Hertzog allegedly discloses that "GUI 24 communicates an inputted search string to a thread-based fetch mechanism implemented in the client services module 26 that … returns search results to the GUI" that Hertzog discloses this feature of claim 1. Applicant disagrees. As described in paragraph [0044] of Hertzog, the GUI 24 "may present a Windows user interface where the client machine 12 is operating under a Windows 95/98/NT operating system" "and provides a number of dialog blocks, information displays and interfaces for facilitating … viewing." (See also FIG. 1 of Hertzog) Nowhere in Hertzog is there any teaching or suggestion relating to transmitting any web page containing mapped contact data to a web server executing a web application via a communication network, as claimed. There is simply no mention, teaching or suggestion relating to the GUI 24 or the client services module 26 for

that matter <u>transmitting any web page</u> of a web application that was automatically populated with data from fields of a selected set of contact data to any server, as required by claim 1. Nowhere in Hertzog is there any teaching or suggestion that the contact cards such as contact card 138 is a web page of a web application either.

Applicant notes that the Examiner correctly concedes that Hertzog does not disclose all of the features of claim 1. However, the Examiner relies on Swan to make up for the deficiencies of Hertzog. Applicant disagrees and submits that Swan does not make up for what Hertzog lacks. In particular, the Examiner appears to rely on pgs. 18-19, and paragraph [0217] of Swan as disclosing "mapping data from one or more fields of the selected set of contact data to the one or more corresponding fields of the web page of the web application to automatically populate the web page by using the mapping data," as claimed. (See pg 5. of the Office Action) Applicant disagrees. In contrast to the Examiner's assertion, the cited portion and indeed all of Swan, at best, discloses that a central hub 12 may provide contact record format conversions. In this regard, paragraph [0217] (and indeed all of Swan), relied upon by the Examiner, at best, explains that conversion modules 81-85 may "convert all or a portion" "of the contact records associated in database 70 with a particular end user 21 from [a] standard format to the particular format used by [a] new PIM or by any other end user 22." (See also FIG. 3B of Swan) Converting the format of stored contact records to a different format for a new personal information manager (PIM) is not tantamount to mapping data from one or more fields of the selected contact records to one or more corresponding fields of a web page of a web application to automatically populate the web page by using the mapping data, as required by claim 1. Swan, alone or in combination with Hertzog, simply does not contemplate mapping any data from one or more fields of contact data to corresponding fields of a web page to automatically populate the web page. For at least this additional reason, the combination of Hertzog and Swan do not teach or suggest all of the features of claim 1.

Additionally, the Examiner relies on pages 11-12 and paragraph [0133] as of Swan as for the proposition that Swan discloses "displaying more than one set of contact data that match the entered alphanumeric characters," as required by claim 1. (See pg. 5 of the Office Action) Applicant disagrees. As can be seen in FIG. 11 of Swan, which relates to paragraph [0133],

Swan, at best, discloses that interface 280 shows the number of matching records for a given contact identifier. In this regard, FIG. 11 of Swan shows that 7 contacts matched the contact identifier but shows the contact information for only one of those contacts, i.e., "Contact 1 of 7." (emphasis added) Displaying contact information for one contact while also displaying a number (e.g., "7" in FIG. 11 of Swan) associated with other contacts with matching records does not teach or suggest "displaying *more than one set of contact data* that match the entered alphanumeric characters," as claimed. For this additional reason, the combination of Hertzog and Swan do not teach or suggest all of the features of claim 1.

Based on at least the foregoing reasons, the combination of Hertzog and Swan is deficient and does not teach or suggest all of the features of claim 1. Applicant therefore respectfully requests the Examiner to reconsider and withdraw the § 103(a) rejection of claim 1 and its dependent claims 4 and 9-18.

Applicant notes that independent claim 19 recites, *inter alia*, "receiving interface software for automatically populating the web page of the web application with data *from one or more fields of a selected set of contact data* based on the mapping data generated by the mapping software" and the interface software enabling a user of the computing device to enter one or more alphanumeric characters, and the interface software *generating a display* of *more than one set of contact data* matching the one or more alphanumeric characters entered by the user, the user *selecting* from among the *displayed sets of contact data* to *populate the web page of the web application*.

Independent claim 26 recites, *inter alia*, "receiving interface software at a computing device from a public communications network, the interface software for *automatically populating a web page* of a web application with *data from one or more fields of a selected set of contact data based on mapping data comprising one or more fields of contact data from personal information manager (PIM)* software mapped to one or more corresponding fields of the web page of the web application. "[T]he interface software enabling a user of the computing device to *enter one or more alphanumeric characters*, and the interface software *generating a display of more than one set of contact data* matching the one or more alphanumeric characters

entered by the user." "[T]he user *selecting from among the displayed sets* of contact data to *populate the web page* of the web application.

Independent claim 50 recites, *inter alia*, "transmitting interface software for *automatically populating a web application* with *data from one or more fields of a selected set of contact data* from personal information manager (PIM) software based on mapping data comprising one or more fields of contact data from the PIM software mapped to one or more corresponding fields of a web page of the web application, the interface software enabling a user of a computing device to *enter one or more alphanumeric characters*, and the interface software *generating a display of more than one set of contact data matching* the one or more *alphanumeric characters* entered by the user, the user *selecting from among the displayed sets of contact data* to *populate the web page* of the web application."

Independent claim 65 recites, *inter alia*, "a computing device … for executing interface software to *automatically populate a web page* of *a web application with data from one or more fields of a selected set of contact data* from personal information manager (PIM) software by utilizing *mapping data comprising one or more fields of the contact data* from the PIM software mapped to one or more corresponding fields of the web page of the web application. [A] user of the web application using the computing device to *enter one or more alphanumeric characters* into a *field of the a web page* of the web application. "[T]he computing device searching the contact data of the PIM software to *display more than one set of contact data matching the one or more alphanumeric characters entered by the user* wherein the user *selects from among the displayed sets of contact data to populate the one or more fields of the web page*, the computing device further adapted for *transmitting the web page populated with the data* from the one or more fields of the selected set of contact data via a public communications network to a server executing the web application."

Independent claim 78 recites, *inter alia*, "[a] system … comprising: a web server having a web application with at least one web page." "[A] computing device connected to communicate with the web server …" [T]he computing device … executing the interface software to enable a user of the computing device to *enter one or more alphanumeric characters into a field of the web page* of the web application." "[T]he computing device … executing the

interface software to ... *display more than one set of contact data matching the one or more alphanumeric characters* entered by the user." "[T]he computing device ... to enable the user to *select a displayed set of contact data*, the computing device *mapping the selected set of contact data to at least one field of the web page of the web application* based on the mapping data, to *automatically populate the at least one field of the web page with the data from one or more fields of the selected set of contact data*." [T]he computing device ... *transmitting the web page* with *populated data* to the *web server* via the public communications network *for processing by the web application* executed by the web server."

Independent claim 84 recites, *inter alia* , "[a] ... computer program executable by the computing device to *display more than one set of contact data matching the one or more alphanumeric characters* for the user *to select* for automatically *populating one or more fields of the web page*. "[T]he computer program *mapping data from one or more fields of the selected contact data* from personal information manager (PIM) software to the one or more corresponding fields of the web page based on mapping data comprising one or more fields of the contact data from the PIM software mapped to one or more corresponding fields of the web page to *automatically populate the web page with the selected contact data*." "[T]he computer program further executable by the computing device *to transmit the web page populated* with the *selected contact data* via a public communications network to a *web server executing the web application*."

Since independent claims 19, 26, 50, 65, 78 and 84 contain features analogous to, though not necessarily coextensive with the features recited in independent claim 1, Applicant submits that independent claims 19, 26 and 50 and their respective dependent claims 4, 9-18, 23 and 28 as well as independent claims 65, 78 and 84 and their respective dependent claims 68-69, 75-77, 80, 82-83, 87 and 92-101 are patentable at least for reasons analogous to those submitted for independent claim 1.

III.   Conclusion

In view of the foregoing remarks, Applicant respectfully submits that all of the claims of the present application are in condition for allowance. It is respectfully requested that a Notice of Allowance be issued in due course. Examiner Zhen is encouraged to contact Applicant's undersigned attorney to resolve any remaining issues in order to expedite examination of the present application.

It is not believed that extensions of time or fees for net addition of claims are required, beyond those that may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 C.F.R. § 1.136(a), and any fee required therefore (including fees for net addition of claims) is hereby authorized to be charged to Deposit Account No. 16-0605.

Respectfully submitted,

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